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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,178 09/09/2003		Harry W. Sarkas	2000US01 C	3345
26689	7590 03/24/2006		EXAMINER	
	N HARROLD ALLEN	MAYEKAR, KISHOR		
225 WEST WACKER DRIVE, SUITE 2800 CHICAGO, IL 60606		1 E 2800	ART UNIT	PAPER NUMBER
			1753	* .

DATE MAILED: 03/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Applic	ation No.	Applicant(s)			
Office Action Summary		10/658	3,178	SARKAS ET AL.			
		Exami	ner	Art Unit			
		Kishor	Mayekar	1753			
Period fo	The MAILING DATE of this communication r Reply	n appears on	the cover sheet with the c	orrespondence address			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR FOR HEVER IS LONGER, FROM THE MAILIN nsions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communicating period for reply is specified above, the maximum statutory the to reply within the set or extended period for reply will, by eply received by the Office later than three months after the department adjustment. See 37 CFR 1.704(b).	NG DATE OF CFR 1.136(a). In no on. period will apply an statute, cause the	THIS COMMUNICATION be event, however, may a reply be tind d will expire SIX (6) MONTHS from application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status							
1) 🛛	Responsive to communication(s) filed on	09 Septembe	er 2003.				
<i>'</i> —	This action is FINAL . 2b)⊠ This action is non-final.						
, —							
, .	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)🖂	Claim(s) <u>1</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.						
6)⊠	Claim(s) <u>1</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)[Claim(s) are subject to restriction a	and/or electio	n requirement.				
Applicati	on Papers						
9)[The specification is objected to by the Exa	aminer.					
10)[10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)[11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	nder 35 U.S.C. § 119						
•	 2) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* 8	ee the attached detailed Office action for	a list of the ce	ertified copies not receive	d.			
Attocher	V-1						
Attachment	c(s) e of References Cited (PTO-892)		4) Interview Summary	(PTO-413)			
2) Notice	e of Draftsperson's Patent Drawing Review (PTO-94		Paper No(s)/Mail Da	ite			
	nation Disclosure Statement(s) (PTO-1449 or PTO/5 [•] No(s)/Mail Date <u>9/3, 3/4 & 5/4</u> .	SB/08)	5) Notice of Informal P 6) Other:	atent Application (PTO-152)			

DETAILED ACTION

Specification

- 1. The disclosure is objected to because of the following informalities: the incorrect referencing "example 4" in page 8 made by the pre-amendment of Sept.
- 9, 2003. should it be -Experment 4—"?

Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claim 1 is rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for a field free zone being of either (1) in a region in close proximity to a zone of charge carrier generation or (2) in a region of current conduction between field generating elements, including the surface of the field generating elements, does not reasonably provide enablement for a field free

zone being in a station different than the above. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention commensurate in scope with these claims. The above claim recites the introducing of the oxidizing gas into the plasma to form the active volume before the plasma is expanded into field-free zone. Because of the breadth of the claim, the above claimed subject matter can be interpreted as that the field-free zone can be other that the enabling field-free zone, for example. And the specification does not enabling such an interpretation.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 5. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Pirzarda et al. (US 5,788,738). Pirzada's invention is directed to a method of producing

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nanoscale powders by quenching of vapors. Pirzada disclose in Example 5 a process comprised the steps of generating plasma and fluidizing a precursor with an oxidizing gas. The last step inherently forming the recited active volume.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kishor Mayekar whose telephone number is (571) 272-1339. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kishor Mayekar Primary Examiner

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